

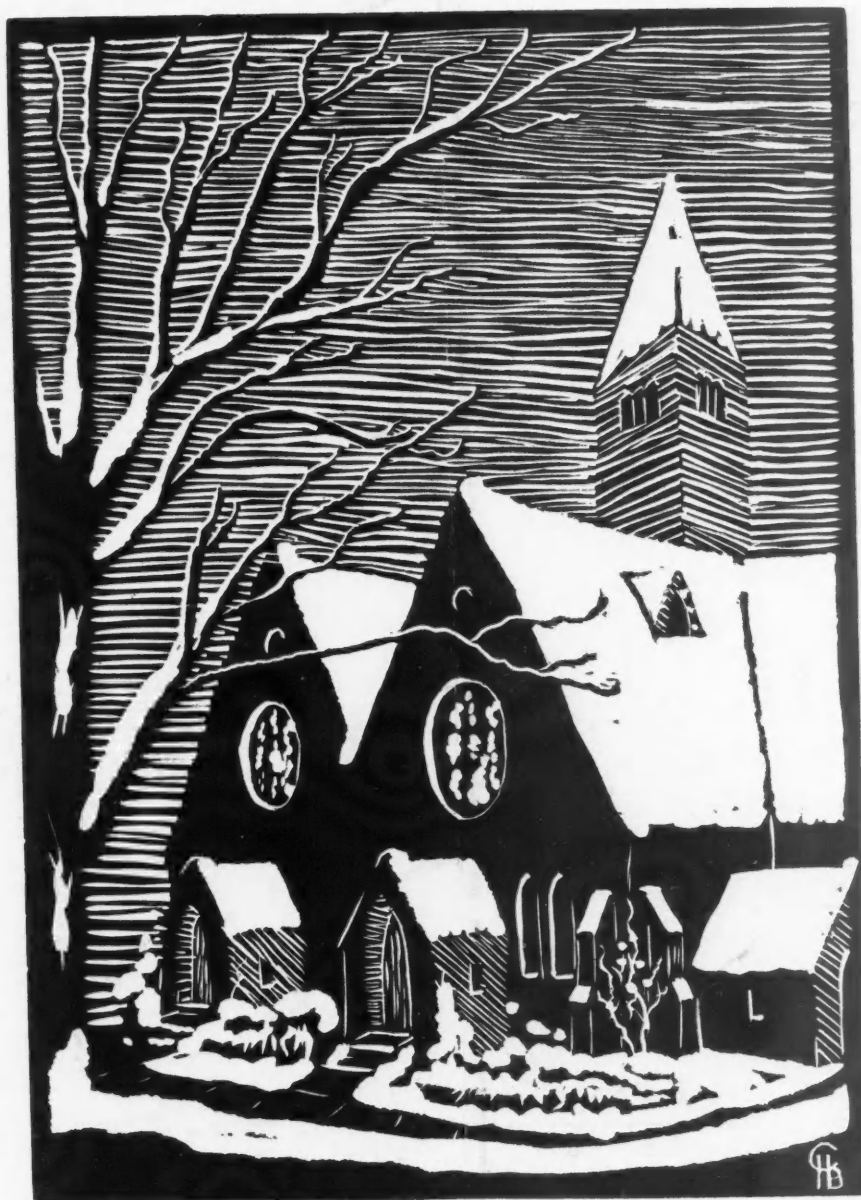
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Volume XXXVII

December, 1939

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Published Monthly from October to June by students in the New York State Colleges of Agriculture and Home Economics at Cornell University. Entered as Second Class matter at the Post Office, Ithaca, New York. Printed by Norton Printing Co. The subscription rate is one dollar a year or three years for two dollars; single copies 15 cents.

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Farming In Art

By Bristow Adams

FARMING has been defined as an occupation, a profession, a business, a vocation, as a way of life, as a science, and as an art.

Whether farming is an art may be matter for a discussion; but the place that farming has found in art, especially at this time and in America, must have been noted by even the most casual observers. Persons who visited either or both of the exhibitions in New York or San Francisco must have noted, in murals and in sculpture, the large place that agriculture had in motif and inspiration.

Exhibitions of contemporary art are full of pictures that deal with farms, farming, and farm life. Perhaps an increasing number of farm boys have taken to painting. But whatever the cause, the new place of farming in art is significant; and it is modern.

IN THE recently published sumptuous volume, "A Treasury of Art Masterpieces," which contains reproductions in full color, of great paintings from the Renaissance to the present day, there are only 4 pictures, of the 144 shown, which deal chiefly with agriculture or the rural landscape: Thomas Gainsborough, noted for his portraits of the fashionables of his time, is represented by "The Harvest Wagon"; John Constable, pioneer in modern landscape painting in England, presents "The Haywain." Gainsborough was at the height of his powers about the time of the American Revolution; and Constable was born in the year of the Declaration of Independence. From the Renaissance to the Revolution, artists were painting religious and classical subjects, and portraits. From the Revolution to now, these subjects have been varied by poetic landscapes, portraits,

flamboyant nudes, and some excursions of sophisticated city folks to bucolic surroundings. In Thomas Cravens' selection of 144 examples of painting, he has entirely overlooked the farm paintings of Jean Francois Millet and of Anton Mauve. Perhaps he

scores of other American painters who have found inspiration in farm life and farm scenes, because any such attempt tends to become exclusive rather than inclusive.

But mention should be made of Dale Nichols, younger than either Curry or

Wood, born on a farm in Nebraska, in 1904, and living as a farm boy until he was 20 when he went to Chicago to study art. He had success there, not so much in what is termed "commercial art," as in putting art into commerce. Only five years ago he started to paint pictures, which have found places in notable exhibits in forty leading art museums.

One of his best is "The End of the Hunt," reproduced here through the courtesy of National

Printer Journalist. It is a Nebraska farm scene, but so typical that it could be in almost any farming region where snow flies and lies deep. It is glorious in color and New York is fortunate in the fact that it is owned by the Metropolitan Museum of Art in New York City.

The picture contains nothing of exciting drama; just a young man returning at eventide with a single rabbit; not a bison, nor a bear, nor even a buck. Its simplicity, its appeal to all who have ever tracked a cottontail, makes its familiar. It is something of a "story picture" but that does not detract from it as a carefully studied and skilfully rendered landscape.

NO DISCUSSION of farming in art, in the *Cornell Countryman*, would be complete without mention of at least four painters connected with Cornell who have taken some of their best subjects from the rural scene. These are: Walter King Stone, Alison Kingsbury (Mrs. Morris Bishop), W. C. Baker, and Kenneth Washburn.



does not admit that they painted masterpieces. However, his artistic judgment may be appraised by his inclusion, among "masterpieces," of the insane atrocity known as "Young Girl at the Mirror," by Pablo Picasso.

Nevertheless, from the Revolution to now he chooses as the only other two farm subjects in his book from among the six he shows of current American art. Thus, one-third of the American examples deal with farm life.

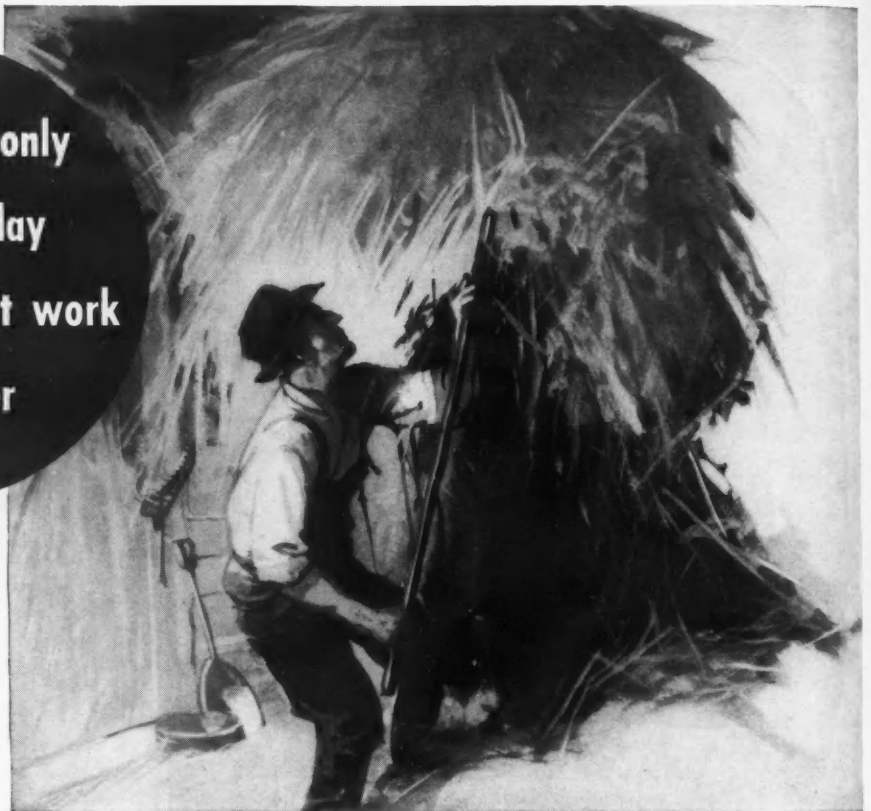
One is John Steuart Curry's, "Line Storm" painted by a relatively young man,—he was born on a Kansas farm in 1897. Also, he includes "Woman with Plant," the portrait of his mother by Grant Wood, who is only five years older than Curry, and the product of a small Iowa town. Grant Wood's "American Gothic," a farm couple against a farm background, brought him immediate fame,—a fame enhanced by his succeeding farm subjects.

NO ATTEMPT is made here to include, even by mention, the

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What's New In Horsebarns?

By Betty Baner '40

WHAT'S new in horsebarns? Why, the fine new Cornell University horsebarn, of course, which has risen imposingly at the rear of the Livestock Judging Pavillion at the far end of the Agricultural Campus. Two years ago, as you may recall the old horsebarn was destroyed by fire and the new barn has been built to replace it.

We are proud to announce that this new building represents the finest in construction and arrangement for a University which carries on much experimental and research work in animal husbandry and which offers instruction to a large number of students. For these latter purposes, the new barn is primarily intended. It is therefore a complete and very practicable laboratory, equipped so that those who are doing this research may be near the source of their work and built so that a student may observe at first hand and without difficulty, the many phases of successful horsemanship.

As you walk toward the new horsebarn, you are immediately impressed with its size and you note the spacious "head" barn and the long "wings" running out at either side. You look over the neat gray-white exterior of asbestos shingles (the same attractive type that you see on many remodeled farm homes) and you are immediately curious to see what this dignified structure contains. Stepping in through the large sliding doors at either wing (incidentally, you don't need a bulging bicep to push open these doors—they slide easily) onto a hard clay floor, you find yourself in the barn proper. The smell of hay and horses and a low whinney or two direct your attention to the numerous and roomy stalls on either side of a large, wide, hallway.

This large hallway is very unusual for a livestock barn and you may immediately wonder if it isn't a rather extravagant waste of space. And then you remember that the Cornell University horsebarn is a laboratory and is built on such a scale rather than for ordinary farm purposes. The halls must be large, for good-sized classes of students will be making observations and gathering about the various horses. Cramped quarters just wouldn't do, whatever way you look at it.

TURNING back to the stalls, you inspect the oak planks used in the construction to handle the heavy weight of the horses and to provide effective resistance to playful chew-

ing. You note the flexible silver-colored grill work of iron bars over the windows and in the front of the stall. Pushing on the bars over the feed bin, you see that they slide back and up, making it possible for you to feed Dobbin without bothering to enter the stall. There are other handy devices, too, such as automatic drinking cups and iron guards on the feed bin as further protection against chewing.

Pausing here only for a moment more to pat the velvety nose of a colt who has come up to investigate your presence, you pass on into the head barn. As you enter here, you feel that you've gone into an office building for a large number of doors face out on the hallway. Looking through these doors, you see many good-sized rooms. Walking about here, you are likely to encounter Mr. Robert "Bob" Watt and some of his obliging barn crew about their work. Mr. Watt, who will tell you that his name is "on every electric light bulb," is barn foreman and one of the best authorities on horsemanship you are likely to find.

Mr. Watt will point out the spacious offices with their numerous cupboards and closets for implements, their heating systems, and hot water, fixtures, the room around the hay chute for the weighing of experimental hay, the headquarters for the service crew, and the sunny and very attractive rooming quarters for some research worker who will live right here in the barn in order to be near the animals and the workrooms. Then there is Professor Salisbury's laboratory, a complete chemical workroom for general study and for any work which will become necessary. And, Mr. Watt's own laboratory, equipped with enough machinery to do all the carpentry work which will need to be done. (We think this a convenient thing to have in any barn).

Further on is the 27'x30' breeding and judging arena for classes in animal husbandry. This arena will be a handy meeting place for small classes, making it unnecessary for them to use the Judging Pavillion. Nearby are the stallions—Belgians, and Percherons of outstanding blood lines. Here you gaze in awe at the size and fine form of these magnificent animals in their large, high stalls. Here are the champions which have carried off many honors for Cornell.

UPSTAIRS are rooms for hay storage, feed grinding and mixing, and grain storage. The upper floor of

the North Wing, you learn, will be used by the Laboratory of Animal Nutrition under the direction of Professor Maynard. Nearby is the harness room and laboratory to be used by the Farm Practice Department under the direction of Professor A. C. King and Farm Superintendent F. W. Barrett.

In general, you note that the barn is complete, well-arranged, and most interesting of all, good looking. And that look of quality doesn't come from any extravagance, either. Inexpensive spruce wood walls and two coats of even less expensive varnish can certainly add distinction. Cornell may well be proud of her fine new horsebarn and as you watch "Cornell's Jim" and his contemporaries munching contentedly away on a luscious mouthful of hay, you can be safe in assuming that they are proud of it, too.

Barnwarming

On November 17th, many Cornell students heard the call of real rural rhythm and jammed the north wing of the new barn for the biggest and best "barnwarmin" this campus has seen in a horse's age. The horses, settled for their night's rest, reared up and took notice when the band began to jive, and the boys and girls to yell, and real old-fashioned square dancing shook the foundations. Ag-Domecon, which sponsored the jamboree, pronounces it a great success. And, quoting one of the permanent tenants of the barn, we repeat, "gawsh, we horses sure miss all the fun!" But we doubt if the horses really knew what they were missing, because they couldn't have heard Sam Painter and his harmonic as he entertained the weary dancers at intermission time, nor could they have seen Henry Lockwood as his flying batons made even the most daring spectators move back and give him more room.

The Ag-Domecon Association extends its thanks to Professor Wheeler for his permission to use the barn and to Professor Morrison and Professor Salisbury for the cooperation they gave; the association is also grateful to the heating department, to the buildings and grounds department and to the men at the barn for their kind assistance.

December, 1939

New Public-Speaking Contest

The girls in the Home Ec. School are all excited about a brand new opportunity offered to them. This time a first prize of \$100 and a second prize of \$25 is being offered by an anonymous donor to the winners of a public speaking contest which will be held during Farm and Home Week. There will be two preliminary contests and one eliminating one.

The first speech will be given in early December. It is to be original and upon any subject. The winners of this first preliminary trial will again present a speech just after Christmas recess on a topic relating to the field of homemaking. The winners of the second preliminary contest will give an amplification of their speech during Farm and Home Week. From this group will be picked the winner.

The judges will be selected from the staff of the College of Home Economics, and each contest will have a different set of judges. The judges for the final contest will be chosen from groups outside of the College of Home Economics by the donor and Professor G. E. Peabody of the College of Agriculture. Professor Peabody will also have full charge of the contest after the second preliminary contest has been held.

So far, about fifty girls have signed up for the contest and it promises to be a close one. Good luck to the contestants!

Student Guides To Be Organized

Miss Eleanor Slack '41, chairman of the Home Economics Student Guides, has announced that all girls interested in becoming a student guide may do so by applying to her.

The Student Guide service was organized several years ago and its chief function was to entertain visitors who came from all parts of this country and abroad to investigate the methods of teaching and administration in the New York State College of Home Economics. After a thorough training period the guides are qualified to conduct visitors on tours throughout the building and to explain class procedures to them.

The girl guides are on duty at all times to aid visitors and the many people who attend conferences. When you "alums" come back to Cornell

again, take advantage of the Guide Service. They will show you all that is new and different since you graduated.

Contemporary Art Collection Displayed

Throughout the month of November there has been on display in the Art Gallery of Martha Van Rensselaer an exhibit of "duplicate originals" of well known pieces by leading American sculptors.

The pieces of sculpture shown are not reproductions but duplicates in the same sense as duplicate etchings or photographs. Usually after the clay or plaster model is made by the sculptor a skilled craftsman makes about a half-dozen casts in bronze or other materials.

This exhibit has been arranged through the Robinson Galleries of New York and includes such well-known works as William Zorach's "Mother and Child," and Franc Epping's "Scrubwoman." It is a fine exhibit and worth anybody's time to see it.

Senior Women Invited to Tea

How often have we Seniors gone through the Lobby of Martha Van Rensselaer and looked longingly in at the cozy, chatty time being enjoyed by our faculty members while relaxing over a cup of tea! Since then some courageous soul has boldly suggested that we, too, would like to be included and, as an experiment, the faculty have asked the Seniors to attend. The invitation is extended for the purpose of affording an opportunity for further contact between students and faculty members.

All Seniors who wish to take advantage of this gracious invitation to tea and to meet and know their faculty are to sign up in Mrs. Well's office. The first fifteen girls to register each day will be accepted. Hurry, you Seniors, and take advantage of this last opportunity to know that faculty member that you have been dying to meet for the last three years!

Bridge Games To Start

Do you have a sneaking suspicion that your bridge game is getting a little rusty, or do you find matching wits over the card table as exhilarating as a March gale? If you do, then

you are cordially invited to attend the Tuesday afternoon bridge tournaments in the smoking room in Martha Van Rensselaer from four to six. The tournament is being arranged and managed by Peggy Fish '42, chairman of the student lounge and smoking room, Harriet Jones '42, and Barbara Stiles '43.

Come and bring your friends. Light refreshments will be served!

Omicron Nu Pledges

Omicron Nu, national home economics honorary society, has announced that nine women have been pledged. These women are in the upper fifth of their class, and were chosen for fellowship, leadership and research. Pledging took place in the Martha Van Rensselaer Student Lounge yesterday. The names of the girls pledged are Mrs. Ruth C. Boicourt, grad; and the Misses Martha Atwood, Jane Caryl, Marion Dingman, Ann Fusek, Wilma Mehlenbacher, Naomi Neureuter, Virginia Pease, and Helen Ripley, all of the class of '40.

Orientation Class Now Three Hour Course

Under the chairmanship of Miss J. Rhulman, Orientation 100 has become a three hour required course for Freshmen. The new course consists of a lecture on Wednesday to acquaint the new girls with the college and to give them an opportunity to become acquainted with the Home Economics vocations. The rest of the course will be taken up with two 2 hour periods during which Mrs. Butt will discuss grooming and personal appearance, and a discussion of the knowledge and skills needed in the college.

Another Use For the Rec Room

The Recreation Room, which has conveniently been nicknamed the Rec Room, has taken on the new function of a lunch-room for those girls who bring their lunch. Its facilities are grand for this purpose as it offers games and music to go with the lunch if you care for them. I would say that its only drawback is the number of steps one has to climb to get there. A more convenient room which might be used for the same purpose would be the Smoking Room on the ground floor.

Vocational Talks To Begin

"What kind of a job can I get when I graduate?" is a question of vital interest to all of us. Last year a series of talks by outstanding home economists was so welcome that it was decided to hold a similar series this year. Dorothy Cooper, '42, in charge of vocational interest speakers, acting on suggestions made at the poll last spring, plans to include several of the younger alumnae in the schedule.

The first of the series of talks will be given by Mrs. Chase Woodhouse, director of the Institute of Women's Professional Relations. Mrs. Woodhouse, who is the author of **Business Opportunities for the Home Economist**, will discuss the general and unusual opportunities in the field of home economics.

On November 18th, Miss Emma Rose Curtis of the Homemaking Department at Ithaca High School discussed the teaching of home economics. Miss Lois Osborne, YWCA Secretary at Cortland, gave a talk on social service work on December 2nd, at 10:00 A. M.

Here is an opportunity to know what you can do with your college education once you have it. Take our advice and do not miss any of these talks!

Salesroom Opened

Starting the first of November, the student salesroom again opened its doors and welcomed the public to come in and look over its wares. Many of them are made by the girls themselves, and, in my opinion, they are well worth what you pay for them as the workmanship is of the best. Things on sale include aprons, fudge, cookies, hand-made cards, children's dresses and many other articles.

The salesroom is located on the second floor to the right of the student lounge. As you know, it is sponsored by the Home Ec. Club as one of its activities, where student ideas, art and originality may flourish. If any of you alums who read this are ever back in Ithaca for a visit, stop in at the salesroom and take something home. It will make a grand remembrance of Cornell for you.

Fashion Tea

The Home Ec Club is busy these days planning a fashion show to be held on December 8, at an informal Friday afternoon tea in Willard Straight Hall. The girls will model both their own clothing made in the clothing labs as well as other outfits assembled to show "what to wear where."



Edna Haussman '41

Edna is a well known resident of Great Neck, L. I. Here at Cornell we know her as the President of the Home Ec Club. During her freshman year she was manager of the basketball team. Since then she has conquered many other activity goals! Among them are the CURW Cabinet, the organization room director for the Home Ec Club, a member of Arete and an Ag-Domecon representative. Active also on committees, she has assisted on the ticket committee for the Saint Agnes Eve Formal last winter and is now a member of the Sunday Evening Hour at Willard Straight.

Activities Survey

The Home Economics Club is conducting a survey of the particular interests of the girls in the Home Ec. School. There are many interests, both educational and recreational, within the Home Economics College and it is to every girl's own advantage to fill out one of the survey sheets. Not only will she have an opportunity to check the things that she is already doing but she can discover other activities that she may not have known about before. For instance, the girls have the opportunity of participating in the Guide Service now and during Farm and Home Week, giving them the advantage of meeting many interesting persons. Other activities include hostessing at teas, special committee work, helping in the salesroom—both selling and making things to sell, editorial work on the staff of the Home Economics News—HEN to you—and finally publicity work for the many social and educational events that go on in Martha Van Rensselaer during the school year.



Ruth Roeder '40

Ruth hails from Niagara Falls, N. Y., and is well-known to all of us as the President of Omicron Nu, senior honorary society in the Home Ec college. She is also known throughout Martha Van Rensselaer for her enviable scholarship record. Mortar Board has honored her for high scholarship every year since she has been here. During her sophomore year she was awarded the Omicron Nu Scholarship Cup. Ruth is not only a fine scholar but she has many other achievements to her credit. An active member of the Cosmopolitan Club, she has also done committee work for the Cornell Day for Women and the Home Ec Club. Ruth is also a member of the WSGA Council and the Kermis Club.

Home Ec Club Activities Started

The Home Ec Club has started a new regime. Its purpose is to become a stronger working organization of service to all students, socially and otherwise.

It is most fortunate in having such a fine building to work in. The Home Ec building is in itself a service to the students with its many facilities—recreation room, sleeping room, smoking room, library, and cafeteria. What more could one wish for in the line of physical comforts?

It is the hope of the Home Economics Club that they may be able to bring some of these many services before the student body so that they will recognize them as a vital part of their college life.

From Farm To City Practice

By Willard DeGclyer '40

INSTEAD of farm practice, I got my city practice! As probably most of you already know, anyone that wishes to graduate from the College of Agriculture at Cornell University must have had some farm experience. Being a "son of the soil" myself, I had all the farm experience required before I entered Cornell. As an undergraduate, I have been working in the Farm Practice Department and have been coming in contact with city boys that are completing their farm practice. I decided that a summer of "city practice" would give me a better insight and understanding of the ideas and problems of city boys and with this in mind, I took a job as a life guard on Long Island at Lookout beach.

Now—camera—plot—story! Last June I packed my bag and stepped out on the main drag in Castile, "the biggest little town in the world for its size," and started pointing my thumb in the direction of New York City. The following night, I entered the great white way where there are no chickens to tell the people when to go to bed or when to get up and where all the buildings are almost as tall as our silo.

My first impression was, "How can anyone find peace in such a crowded, noisy place?" In addition to this unfavorable introduction to the Big City, I stopped in at Leon and Eddie's at 52nd Street and paid \$.60 for a glass of ginger ale. With that, New York City looked like a place to stay away from, but I was out to get my city experience so the next morning I reported promptly at Lookout Beach for lifeguard duty.

FIRST I met the guards, as fine a group of fellows as I have ever seen anywhere. Then, I put on the nifty suit they gave me and went down to the beach, took a little warm-up swim (the salt water sure had a nasty taste), and then climbed up into the stand. For the first three or four hours, I looked over all the beautiful figures on the beach and thought, "This is the life." Even though, I had been pitching hay with my shirt off and thought I had already gotten a pretty good tan, I found out differently in about three hours. I then resembled a broiled lobster. Incidentally, all the guards used about a 10% solution of tannic acid for sunburn, this being the best remedy available.

The old idea about life guards having nothing to do but talk to the beautiful girls is just a romantic idea, for while on duty guards are usually forbidden to talk to the fair maidens. All you can do is sit and look pretty and bulge your muscles, if you have any.

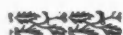
In the line of duty, I can recall one Sunday in the latter part of July when I had 15 rescues in 3 hours. Luckily, none of them were serious. Much trouble was given to bathers by a lagoon near the beach, a sort of bay which led to a sandbar. When the tide went out, many of the people would wade across the Lagoon to the sand bar and then go in the surf. When the tide came in, many who had waded across could not do so coming back and were not good enough swimmers to make it. Then, we went into action.

ANOTHER interesting thing at the beach was the rubber bathing suits. A little tear would start someplace and pretty soon the wearer (in most cases, a girl) would be without a suit. At these times, the life guard's blanket would be brought into use and the unlucky victim would dis-

(Continued on page 54)

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THE CORNELL CO-OP

Barnes Hall

On the Campus

A Hunting We Will Go

By Frank Stephens '40

BY the middle of October hunting fever has become an epidemic and many happy nimrods are preparing for the first day of the season. Ever since I have been big enough to tote a shotgun I have been infected with the disease, and have been able to get out the first day. This year the fates were against me, so I had to wait until the third day of open season.

On Wednesday morning the old alarm sang out at five A. M. and I struggled out of bed with joints and muscles protesting at such early activity. Little did I realize that I was leaving behind the only feathers I would see all day.

After a cold and hasty breakfast I stumbled out into the early morning half asleep, hugging my gun for consolation. The dog next door, which had been keeping a lonely vigil through the night, sniffed at me, shuddered, and walked away. Just then

the milkman drove in the yard. He took one look at me and jumped into the back of the truck as though he had seen a ghost. I sighed and then started the car for the open country.

WHEN I had reached a likely looking place I saw that I had several minutes before the sun would come peeping over the hills. I loaded my gun and started across the barnyard just as a farmer was going out to milk. He muttered, "There goes another one of those - *--?*-hunters who probably can't even tell a cow from a pheasant." Why shucks, if he had only known that I was studying agriculture at Cornell I am sure that he would have felt differently.

As I stumbled along throughout the morning, I found myself looking down instead of ahead. I stopped several times waiting expectantly for the whir of wings, but all I could hear was the wheezing of my own labored breathing. It seemed that guns were

always crashing just ahead and that the war was always in another sector. I began to realize that I was the rear guard and was just mopping up the brush and brambles that the main body of troops had missed. I felt that the only bird left was the big red rooster in the barnyard where I had left the car.

It was in that sort of setting that the wind began to stage whisper in the distance; and as clouds of deep mourning massed over the hills, sympathetic skies wept bitterly.

As I drove home I chuckled with maniacal glee as I watched other hunters wading in water up to their hips and receiving nothing for their efforts but a good chill.

I still believe that hunting is great sport, but the rest of you nimrods take a tip from me. Do not go hunting alone, because you have to have something more canine than the feet you were born with to have good luck.

Progressive Cornell

By Frieda Mann '40

CORNELL University again comes to the front to maintain its reputation as one of the most progressive universities in the country. It is among the first of the land-grant colleges to realize its responsibility for training rural public welfare workers, and as a result of this realization it offers to its student body a new course—a course that is, in a manner of speaking, epochal. You wonder what this course is that is creating such a stir on our Upper Campus? Well, we'll let the secret out of the bag. It is none other than "Social Case Work" and it is given under the Department of Rural Sociology. Technically, it's known as Rural Sociology 124.

Miss Josephine Strode, who conducts the course, was very pleased to tell us about it, and about the circumstances which caused a course in social case work to be taught in a land-grant college.

"It has been realized increasingly that with the establishment of a definite public welfare program entailing expenditures of public funds that land-grant, and state agricultural colleges have a definite responsibility for the education of the social workers who serve in rural areas. The establishment of a definite course in social case work and social welfare problems, as well as the practical methods of dealing with them, marks an epic

in the concern for the education of workers interested in social welfare problems."

THE New York State College of Agriculture is one of the first to pioneer in such education. It has been realized, too, that social work has a wide field of interest and application, not only for the professional but also for the layman. The methods that have been developed in social case work may be used in many other fields of work, according to Miss Strode. Extension work, home economics, and vocational and placement counseling all have a place for case work technique.

Permit us to introduce you to Miss Strode. Her wide range of experience indicates that she is well able to conduct such a course. A graduate of the University of Chicago, she received her M.A. from the Northwestern School of Social Work. She also helped to establish Gads Hill Center in Chicago (where, she says, "I used to get letters addressed to God's Hell!"). Miss Strode received her case work training in the Charity Organization Society in New York City. Before coming to Cornell she acted as State Case Supervisor of relief programs in the rural areas of Florida and Kansas.

The course at Cornell will include a survey of the field of social work

and a study of the processes and techniques involved in the practice of social case work. Other subjects covered will include training for social case work and the vocational opportunities in the field of social work.

Social case work today is a field into which many of our college graduates are turning because they realize that here is a method necessary to working out many of the major problems of our day. Not all, however, are suited for the job that awaits them.

PERHAPS it might be well to summarize briefly those qualities that a social case worker must possess in order to do her job well. First of all, she must have good judgment, a sense of humor, health and intelligence. Secondly, she must have the ability to evaluate and keep records, to maintain good staff relationships and to talk effectively to people in all walks of life. Important also are such things as personal poise, objectivity of judgment, tolerance towards different points of view and a knowledge and skill in her particular field of social work. While "Social Case Work" does not promise or even attempt to make all of its participants good social case workers, it does tell them what they must have in order to go on with such work.

Cornell, Washington

Across the continent in the Inland Empire of the states of Washington and Idaho are seven tiny villages, far away from all civilization. Their names are Princeton, Harvard, Yale, Purdue, Stanford, and our own Cornell. Lumber officials say the towns were named by a group of college students in a surveying party with lots of collegiate spirit. The name of Cornell is spreading far and wide for there is also a great glacier named for the university up in Greenland. A mountain in the same locality has also been named after our second president Jacob Gould Schurman.



Richard Thomas Meister '40

Dick is a reserved fellow, but at the same time genial and admired by those who know him and his record at Cornell. He is co-captain of the golf team and associate editor of the Cornell Daily Sun. He is a wearer of the "C" and has been elected to Sphinx Head, Scarab, and Sigma Delta Chi. Not content with this, he has found time for several committees—Campus Chest, Navy Day Ball, and Junior Jamboree. He is chairman of the Activities Survey. His Chi Psi brothers have honored him with the vice-presidency of the house.

Dick majors in pomology and is interested in journalism. He has taken all of Bristow Adams' courses and plans to edit articles for a pomological journal after graduation. His record indicates that he will go far in gaining a position for himself.

Ho-Nun-De-Kah Elects

At a recent meeting the following were elected to membership in Ho-Nun-De-Kah: Charles Byrne, Robert Grindrod, Burton Inglis, Stan Oakes, Wesley Smith, Frank Stephens, and Henry Thompson all of the class of '40.

Scarab Elects

Scarab has pledged nine members of the class of '40: Robert J. Bear, Charles W. Crandall, Charles E. Crittenden, Mennick T. Fossum, Ralph S. Lash, Merle S. Robie, Robert C. Bennett, Philip M. Enken, and Henry M. Jewett.

Did You Know That:

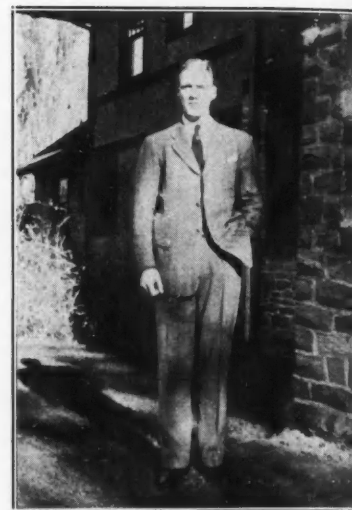
1. Ezra Cornell was born at Westchester Landing at the mouth of the Bronx River in Westchester County? The place is now called Cornell Neck and is a part of New York City.

2. Cornell's track coach, John F. "Jack" Moakley, has given forty years of service to the university, has produced many champions and championship teams, and is still going strong? Furthermore Mr. Moakley is considered one of the greatest track coaches in the world from his Olympic record, and is called the "Dean of American coaches."

3. The Plant Science building, one of the best laboratories of its kind in the country, ought to be given a new name in honor of one of Cornell's many prominent botanists? Can you think of an appropriate one? While you are at it, the Dairy building needs a name too.

4. Over three thousand Cornell graduates and undergraduates held commissions in the Army and Navy during World War I.

This summer during a trip to California, Dr. A. A. Allen (A3 to his friends, and professor of ornithology at Cornell, stayed long enough in Arizona to discover something entirely new to the science in ornithology. He found the nest of a Coppery-Tailed Trogon, a bird which has never been known to nest in the United States before. It was found in Southern Arizona halfway between Tuscon and the Mexican border, in the Santa Rita Mountains. Although the birds had regularly been seen in that vicinity, the occupied nest that Dr. Allen discovered is the first one ever to be found north of Mexico.



Warren Waldo Hawley III

Warren likes nothing better than a good game of polo with a fine horse beneath him, and this year he is a member of the varsity polo trio. With team practice to take up much of his time, he still has managed to include many other activities in his record. He has been on the Spring Day Committee, the Ag-Domecon Council, and the Activities Survey, and was a councilor at Freshman Camp. His classmates of the class of '40 elected him to represent them on the Student Council this year and he is vice-president of Kermis, the dramatic society. Membership in Acacia, Scarab, Quill and Dagger, the Officers Club, and the Poultry Club round out this excellent record.

When he graduates, Warren expects to operate a poultry breeding farm with his own horse stable as a hobby. His course at Cornell is largely devoted to poultry husbandry and agricultural economics.

Tests On Barley Interest Farmers

Farmers throughout New York State have expressed interest in experiments conducted here with seed from many parts of the world to determine whether or not winter barley can be grown successfully in this state.

Varieties from Europe and Asia and from different parts of the United States, have been put on trial in an effort to develop a variety that will stand the rigors of winter and still be a good yielder.

Professor Sutton Attends Fair Banquet

A short time ago a banquet was given at the World's Fair for America's famous Antarctic explorer, Admiral Richard E. Byrd. Professor G. M. Sutton of the Department of Ornithology, attended the banquet, and gives a very enthusiastic account of the event. Byrd spoke for two hours on his government-sponsored expedition now leaving for the Antarctic, to claim a vast empire for the United States.

Byrd accompanied his talk with motion pictures of his last expedition, and dwelt on the importance of learning about the mineral deposits, temperatures, oceanic currents, tides and plant life of this virtually untouched world; he told also of the difficulties of work in the extreme polar cold. Stressing the fact that the expedition was backed by the United States, Admiral Byrd stated that it would enable this country to develop and use any natural resources discovered in Antarctica.

The Admiral described the "snow cruiser" which is so huge that it had to be dismembered to fit on the ship now sailing and will be welded together again when the explorers reach their base in Little America.

Professor Sutton, himself a noted explorer, headed a geological expedition to the large island of Southampton just north of Hudson Bay

about ten years ago and afterward wrote a widely-read book on Eskimo life in that region. On his return he was invited to join both the Explorers Club and the Order of Adventurers. When speaking of Byrd's expedition, Sutton seems envious of those going on the polar trip.

He also recalled having met on a recent trip to Washington, the young son of Harold C. Bryant of the National Park Service, who is now in New Hampshire learning to drive dogs. Noting the enthusiastic expression on Bryant's face when discussing the expedition, Professor Sutton stated that he remembered his own experiences driving dogs in the far north with a nostalgic pang.

On the same trip to the capitol, the Professor had observed at the Smithsonian Institute equipment being assembled for the long journey, including barrels of salt, ammunition, and great crates of carefully prepared wood which will be nailed together to ship scientific collections gathered by Byrd and his men.

The company gathered to honor Byrd was a distinguished one. Famous explorers who gave a final broadcast of the Order of Adventurers' program just before the dinner included: Lowell Thomas, Dr. Roy Chapman Andrews, Colonel Theodore Roosevelt and others. Also in attendance were Gene Tunney, Sir Herbert and Lady Wilkins, Charles G. Dawes and Mrs. Alice Roosevelt Longworth.

Wallihan's Hydroponics

We have all heard a great deal about the comparatively new science of hydroponics but few of us realize that experiments are being carried on right here on our own campus. The science of hydroponics, growing plants in solutions, has been a subject of study for many years by experts, but only recently has it been commercialized. On Wake Island, stopping-place of the Pacific clippers, vegetables for the passengers are now being grown by the hydroponic method.

To supply information on mineral requirements of trees common to this region, Prof. Wallihan of the department of Forestry is growing seedlings in a water culture. Although he is studying only three nutritive elements nourishing each species, the fact that only one element and one tree can be studied in one solution, makes it necessary for him to use sixty solutions and seedlings in each experiment. The whole matter is complicated by the fact that while some plants need only simple solutions, others need complex solutions.

Because of Ithaca's unpredictable weather, Prof. Wallihan finds it necessary to substitute artificial light for Sol's good and necessary rays.

Although Prof. Wallihan's seedlings grow to a maximum of about ten inches in height, he believes that larger plants can be grown by this method.

Christmas Cards At Home

By Agnes Boardman '41

INSTEAD of searching in vain this year for Christmas cards with that "certain something," why not make your own? You'll have lots of fun doing it and at the same time manage to save the card money for gifts.

A good way to carry out the holiday spirit is to use scenes from your home and family. Photograph, sketch, or paint the fireplace or front door. Snap the children building a snow man or a North Pole igloo. Take snapshots of children in silhouette, mount the prints on colored cardboard, and send a truly individual Christmas card. A caricature of Dad with his pipe, or Billy licking plum pudding from his fingers, will spread the genial warmth that follows humor.

There are other methods for making cards, of course, although they may be less usual. Blue prints are made on either blue print paper or a special black paper by what is known as the Cliche-Verre process. Make your sketch on tracing paper

and paste other sections of paper over the parts you wish to shade. Place it next the blue print paper and clamp the two together on a glass plate with a frame and expose them to the light for a few seconds. Finally, rinse in a weak solution of potassium bichlorate, wash with fresh water and allow to dry. Experiment with the effects produced by dry grass or the torn edge of your tracing paper.

VERY similar results may be obtained by the use of linoleum blocks and scratchboard. It will be worth your while to get a few inexpensive tools for blocking. Scraps of linoleum are much cheaper than the mounted type at art stores. Since the design will be printed backwards, remember to reverse all lettering. Scratchboard is a chalk-surfaced cardboard covered with ink and then scratched to produce a block print effect. Designs for these methods should have a minimum of fine lines.

Strive for boldness and simplicity.

Especially good for greeting cards is spatter printing. Cut out the stencil, place it on the background, spray with color, and finish some solid part in brilliant hue.

With all this emphasis on individuality, we do not mean you must send a different design to every friend. Once you have a satisfactory card or two, you might even have a zinc etching made at the printers from which any number of copies could be printed.

Pictures are not the only medium for conveying holiday greetings. Why not try your hand at verse writing? A bit of doggerel about the year's happenings will bring your correspondence up to date. And to nature lovers, send a sprig of pine or holley mounted on a card. Surprise yourself! Go ahead and experiment! The personal touch, however faulty, will mean much more to your friends than the most elaborate commercial one.

Private Life of a Dinner Dish

By Millie O'Brien '40

HAVE you ever considered what your dinner ware must go through before it appears in the store for your selection? Or, have you ever taken up a piece of the beautiful china which makes your dinner parties such a success and wondered just how it has come into being?

Methods of dish production have changed greatly in recent years. A long time ago, people shaped their pottery by hands, using, as did the Indians, common twigs and corn cobs as tools. Later a potter's wheel was introduced which enabled the operator to make round dishes which were more beautiful and quicker to fashion than had ever been possible before. Now, modern elaborations on this process combined with methods of mass production present us with the opportunity of securing a large variety of beautiful ware at a low cost.

The formula used is a secret one which is always kept on file for reference. The ingredients are chosen as carefully as for your favorite cake and mixed to the consistency of cream, at which stage it is called "slip." The slip is magnetized for any iron traces and then passed

through a fine sieve. Excess moisture and air are removed by pressure and a pug mill.

The clay is then flattened and placed on a plaster of paris mould which in turn is put onto an electrically driven "jigger" (plaster of paris is used because it is inexpensive and highly absorptive). The motor is turned on and, as the mould revolves, a hand presses down shaping the bottom of the ware and cutting off excess clay. The "greenware" as it is now called is allowed to dry, shrinking about 1/7 of its former size in the process.

AFTER the edges are smoothed off the greenware is stacked on saggars with dry clay in between to prevent fusing during the firing. The saggars are then wheeled into kilns for the first or "bisque" firing. The ware is gradually heated to the maximum temperature to prevent cracking on exposure to room temperature, the whole process taking about eighty-one hours. The better materials are heated to a high temperature hence are more highly vitrified (glasslike). The bisque ware is dipped into a glaze bath which may be made from flint, silica, or quartz. The little tri-

angular marks at the bottom of the dish you may have observed sometimes are made by the pieces of clay that support the dish. Now, the ware is ready for the gloss firing that will give it greater strength and a permanent finish.

Designs are put on under the glaze or over it—depending on whether they must stand up under much wear and tear. Many methods are used for placing these designs—copper plating, a decalcomania pattern (similar to the transfers bought by little children to put pictures on their arms).

Lovely relief patterns are obtained by cutting into the clay and either painting the design or leaving it plain. Gold, which is often used, is either brushed or stamped on.

HAVE you ever looked at a hand lined or hand painted plate and noticed the perfection of line? This is because the artists who do this detail are never allowed to do a dish until they have had about a year's experience at the work. In firing, colors frequently change, so a knowledge of chemistry and experimentation is necessary to achieve perfection.

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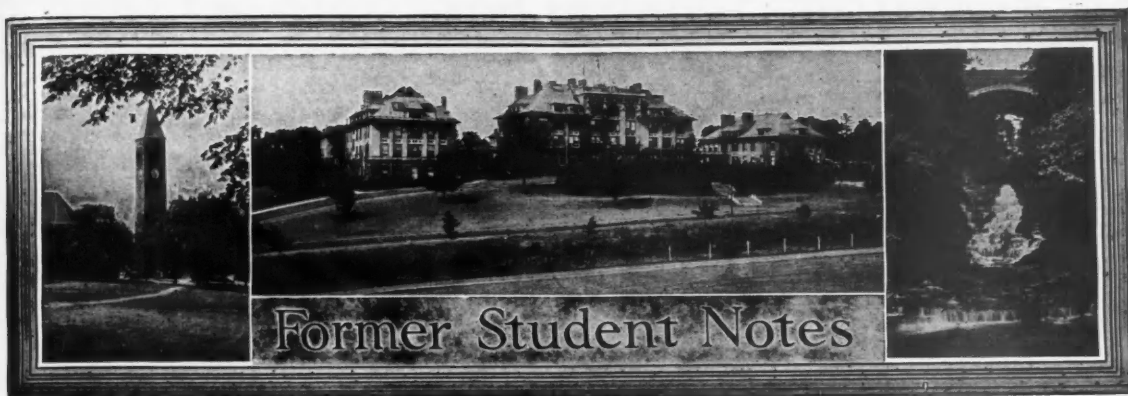
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'12

Don Ward, one of the outstanding county agents in the state, has resigned as county agent of Onondaga County to become supervisor of the Syracuse Regional Market.

'14

Cedric H. Guise, Director of Admissions for the College of Agriculture, is author of a textbook recently published on "The Management of Farm Woodlands." It is one of the American Forestry Series with Professor Walter Mulford, '01, of the University of California as consulting editor.

William J. McCarthy is with the Bureau of Engineering, Department of Borough works, Borough of Manhattan, New York City.

'16

Royal G. Bird is now a Consulting Forester with headquarters at 95 Schuyler Street, Boonville, N. Y. He was formerly with the Gould Paper Company for several years.

Stanley W. Cotton married Miss Harriet MacDonagh of Ridgefield, N. J., on October 21. Mr. Cotton is proprietor of the Ithaca Dairy Products Company.

'17

Alfred H. Brooks has been employed as an inspector for the Federal Housing Administration in Minneapolis, Minn., for some time. He returned to his home in Monroe, N. Y., this past month.

Bert J. Rogers is doing a splendid job as 4-H Club Agent in St. Lawrence County. His headquarters are at Canton, N. Y.

'19

Esther H. Funnell (Mrs. Charles Phipard) now lives at 721 25th Street, Arlington, Virginia. For several years she has been a Food Economist in the Bureau of Home Economics of the U.S. D.A.

Gladys Kitchen is now teaching commercial cooking at Miller Vocational High School, Minneapolis, Minn. She formerly taught at the Lincoln Junior High School.

'20

Helen Blodgett now lives at R.D. 4,

Fredonia, New York. Until recently she was employed as a chemist in New York City.

William Wright covers North and South Carolina, Georgia and Florida in his work with the Federal Land Bank of Georgia. His headquarters office is in Columbia, S. C., and he lives on Montgomery Road, Savannah, Ga.



'23

Paul K. Springer, a former teacher of Vocational Agriculture, is now librarian at Edison Technical High School, Rochester, N. Y.

Mr. and Mrs. Frederick W. Wrede (Mercedes Seaman) have a son, Robert Kendrick, born August 19. Their address is 3414 81st Street, Jackson Heights, New York.

'24

John R. Curry has recently been appointed head of the Division of Silviculture at the Southern California Experiment Station, a position formerly held by Arland McKinney '25. John now has six sons.

Mrs. Florence Knapp, formerly Florence Zapf, is teaching home economics at North Rose, New York. She was a special student at Cornell last year.

Mrs. Rae T. Jones (Margaret Knox) has moved from Little Falls, New York to Hopper Avenue, Pompton Plains, New Jersey. She has one son, Rae T., Jr.

William D. McMillan is now Director of Research for the G.L.F. with offices in Ithaca.

Mildred Neff lives at 29 Wellford Road, Orchard Hill, White Plains,

New York. She is Consulting Nutritionist for the Yonkers Department of Public Welfare.

'25

Catherine Hillegas is co-author of a recently published book, "Recipes and Menus for Allergics." She is teaching household arts at Montclair, New Jersey.

Mary Humphrey, now Mrs. Allan Wadsworth, has moved from Glenside, Pa., to 435 South Clements Avenue, Toronto. She has two daughters.

'26

Florence Crofoot (Mrs. Harvey R. Engle) now lives in Niagara Falls where her husband has a position with an electro-chemical company. Prior to her marriage in the fall of 1938 she was dietitian at Balch Hall at Cornell.

Millard E. Wadsworth married Ethel French September 28, 1929 and they have one child, David E. Wadsworth, born September 25, 1932. They will soon be moving into a new home that has been recently built on the farm that Millard and his father operate. The address is R.D. 5, Oswego, N. Y.

'27

Ruth Crosby (Mrs. John Hedberg) lives at 450 Princeton Street, Palo Alto, California, where Mr. Hedberg has a position on the staff of Stanford University.

Faith Davis has accepted a position as instructor in nursery school work at Ohio State University. She received her Master's degree at Columbia. For the past several years she has been on the nursery school staff at Cornell.

Wendell E. Field, formerly assistant county agent in Onondaga County, has been appointed county agent in that county. He replaces Don Ward '12, who is now supervisor of the regional market in Syracuse.

Dorothy G. Wadsworth married William A. Boysen October 14, 1933; they are making their home at 248 Malverne, Jr., Syracuse, N. Y. They have two children; Arthur William, born February 9, 1936 and Constance Edith, born March 29, 1939.

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'28

Mr. and Mrs. George H. Salisbury have a daughter, born May 9. Hax is teaching vocational agriculture in Groton High School this year and lives at 201 Elm Street, Groton. For the past few years he has been teaching in the Ludlowville High School.

'30

Arthur B. Butler has had plenty of interesting experiences since graduation. He worked for the New York Telephone Company for a while, then went to India for the Standard Oil Company, spent some time on an oil tanker, worked in the oil fields and has finally settled down as owner of a gas station in Corpus Christi, Texas.

Edith Cuervo Cole married Alexander Zeissig in Jacksonville on August 1. Mr. and Mrs. Zeissig are making their home at 305 Oak Avenue, Ithaca.

Charles H. Diebold is working on the Susquehanna River Flood Survey, which covers part of Pennsylvania as well as New York. He has an office at 123 Front Street, Binghamton.

'32

John Eisinger worked as a tree expert at the World's Fair this past season and expects to do similar work at the Fair next year. He has two children—John, age 3, and Jerry, 4 months; and lives at 82 Irma Avenue, Port Washington, L. I.

'33

Hamilton D. Hill is in the Air Service of the U. S. Navy; was recently transferred from Hawaii to Manila, Philippines. He has seven more months in his term of service, then expects to return and look up a job. His address is U. S. S. Langley, Asiatic Station, c-o Postmaster, Manila, Philippines.

Robert Horstman is with the Great Lages Dredge and Dock Company, of Fulton, N. Y. His home address is 855 Nott Street, Schenecady, N. Y.

Elizabeth L. Reynolds married Clifford C. Wilson of Clifton Springs on October 9 in Sage Chapel. The wedding was followed by a reception in the South Lounge of Willard Straight Hall. Mr. Wilson is employed by the N. Y. State Electric and Gas Corp. The couple live at 412 East Main Street, Palmyra, N. Y.

'34

George Cook is now teaching vocational agriculture at the Windsor High School, Windsor, N. Y. He taught in Scott High School for the past few years.

Russell B. Hill married Miss Dorothy Dollard of Brockport on July 26. They are living at Honeoye Falls, N. Y.

Nelson Houck, employed in the G. L. F., has been transferred from the Batavia office of that concern to the Riverhead office on Long Island.

'35

John Andrews is now in full charge of the Arnot Soil Conservation Experiment Station with the title of Assistant Soil Conservationist.

Beatrice B. Coleman became Mrs. David J. Chuckrow on October 29 in a ceremony in the main ballroom of the Ithaca Hotel. Beatrice received her M. A. degree from Columbia in 1937 and has been teaching since. Mr. Chuckrow graduated from Cornell in Arts and Sciences in '35, and from Albany Law School in '37. They will live in Troy, N. Y. where Mr. Chuckrow is a partner in a law firm with a brother.

Rowena Fiddler recently became engaged to Morton J. Friedman of Chicago. Rowena is, at present, employed in the Department of Public Welfare in Chicago. Mr. Friedman is a University of California graduate and received his master's degree from the University of Chicago in 1938. He is now engaged in research work.

Claude Kezer is operating a successful dairy enterprise at Massena, N. Y. He has a large herd of Guernseys and markets his milk over a 600 quart route in the city of Massena.

Max Lippman is doing dairy bacteriology research for a dairy company in New Brunswick, N. Y. He obtained his master's degree at Cornell and his Ph. D. at Rutgers.

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THE WILCOX PRESS

317 COLLEGE AVE. ITHACA, N. Y.

Ann Shulman is now teaching home economics in West Junior High School in Binghamton, N. Y.

36

Allen E. Bailey and Catherine M. Paris were married at Broadalbin on July 1. They are living at Greenville, N. Y., where Al is teaching vocational agriculture in the Greenville High School.

Robert W. Tousey, who has been Assistant County Agent in Orange County since graduation, recently transferred to a similar job in Columbia County. His present headquarters is in Hudson, N. Y.

Walter van Dien, after spending some time working on a game farm in New York State, is now foreman of a game farm in Michigan.

Robert Van Order is Assistant Rural Rehabilitation Supervisor with headquarters at 119 South Cayuga Street, Watkins Glen. He has a daughter, Anne Elizabeth, now about six months old, and lives on the Slaterville Road, four miles out of Ithaca, R. D. 4, Bethel Grove.

37

Ralph Graham was appointed Assistant County Agent in Erie County beginning October 1. Since graduation he has done extension work in Livingston County and has been Administrative Assistant in Agricultural Conservation in Erie County since the first of the year. He will continue soil testing, erosion control and general Farm Bureau work.

Frank E. Matteson married Mary E. Moore of South Orange, New Jersey on October 14. Mrs. Matteson is a graduate of Ithaca College and took graduate work at Columbia.

Ernest M. Underwood is now teaching Vocational Agriculture in the St. Johnsville High School at St. Johnsville, New York.

38

Lauren Bly has been working for the G. L. F. since graduation. He was recently transferred from Phelps to Auburn.

Jerome Flohr has a position with a feed company in Baltimore, Maryland.

Stephen Fordham and James Skinner, also William Severinghouse, '39, are now employed by the New York State Conservation Department.

Samuel Friedman married Charlotte Safir, who is now a senior in the College of Architecture, shortly after graduation last June. He has a position with the Board of Health of New York City.

Leonard Grubel is teaching Vocational Agriculture at Georgetown, N. Y.

Robert C. Taber is engaged to Ella

Jane Feeter of Truxton, New York, who will graduate from the College of Arts and Sciences at Cornell in June.

Rose Wolfe, a bacteriology major while at Cornell, became Mrs. Oscar Katz in September.

Carol Young has resigned her position at the State Teaching School at Hudson, New York, and is now doing 4-H extension work for the College of Home Economics.

39

Paul Callahan is working in the employ of the Federal Government in Boston, Mass.

Alfred Foster, who majored in Genetics while here at Cornell, is now doing research in Vincentown, N. J.



Ruth Goodman is teaching Home Economics at the Normal School in St. Johnsville, N. Y. Her sister, Beatrice, is enrolled in the Ag College in the Class of '42.

Lawrence Halprin is an instructor in the Botany Dept., University of Wisconsin.

Eudora E. Hendrickson is doing Home Science work demonstrating household appliances.

Donald R. Huckle married Margery Baker at North Rose, New York, on August 19. Don is teaching vocational agriculture at the Ripley High School, and they will make their home in Ripley.

Dorothy Kelly has a position teaching Home Economics at Lafayette, N. Y. Her sister, Janet, is now a student in the College of Home Economics in the class of '42.

William A. Leavitt is working the home farm at Gabriels, New York, this year.

Arthur Moak is now employed by Armour & Co. He majored in animal husbandry here and earned quite a

name for himself on the crew.

Charles T. Moran completed the two year course and is now employed as a milk tester for Livingston County. He lives at Avon, New York.

Emerson Smith is employed as a dairy inspector with Borden's, with headquarters at Goshen, New York. He inspects the milk plants at Johnsons, Warwick, Otisville, and Washingtonville.

Jean Smith is teaching Home Economics in Oswego, N. Y.

Dorothy Taber has a position teaching Home Economics at the Morris Central School, Morris, N. Y. She says that she enjoys the work.

Jane Thorn is an assistant in the Home Economics Dept.

Edward Townsend, who completed the two year course, is working at Afton Farms, Madison, N. J.

Alex W. Trainer is employed by the Farm Security Administration with headquarters at Fort Edward, New York.

Howard "Wreck" Welch has a position with the Farm Security Administration. He has recently been stationed at Albion, New York. His address is Vandenburg Inn, Albion, N. Y. Recently the engagement of Miss Betty Knowlton, Cornell class of '38, to "Wreck" was announced.

Harold White of Massena worked on soil conservation work during the past summer and is now connected with a contracting company.

William Wimsatt is doing graduate work in Ornithology here at Cornell.

(Continued from page 46)

appear dressed like an Indian and just as red.

Then, the matter of all the pretty girls "drowning" and calling for help. We had strict orders to see that she really needed help before we brought her to shore. By the way, the third time I went into the ocean, it was to make a rescue.

On the Beach, we had the usual equipment, surfboards, dories, catamarans, etc. In the morning before the crowds came, we would usually get a work out. There is nothing I enjoy more than a ride through the waves in a surfboard.

Enough for the working life of a Son of the Beach—what about his leisure hours? Should I tell you? Movies, parties, dances, etc. much like those of Castile, but here the celebrations never stopped.

Though I enjoyed much of my city experience, I can truthfully say, "I prefer to remain a son of the soil." As my city practice has taught me, I am just a hick and proud of it!

HOW *Cooperation* TURNS *Research* INTO *Savings*

On November first, G.L.F. announced the following poultry mash formula:

SPECIAL LAYING MASH

360#	Wheat Bran
400	Flour Middlings
539¾	Yellow Corn Meal
100	Fine Ground, Low Fiber Oats
100	Alfalfa Meal—Low Fiber
240	41% Soybean Cil Meal
80	Meat Scraps, 55% Protein
80	Fish Meal
40	Brewers' Yeast
40	Ground Limestone
20	Salt
¼	Manganese Sulphate
10	Reinforced Cold Liver Oil (400 units Vitamin D, 3000 units Vitamin A, per gram)
2000#	Special Laying Mash

Guaranteed Analysis

Protein(minimum).....	20.00%
Fat(minimum).....	3.00%
Fiber(maximum).....	7.00%

There are two noteworthy things about this formula. (1) It costs about \$4.00 a ton less than Super Laying Mash. (2) This low cost is made possible by the use of dried brewers' yeast to supply Vitamin B and the three closely related factors which make up the Vitamin G complex.

Poultry research workers at Cornell and at the other state colleges in G.L.F. territory, have long used dried brewers' yeast in their nutrition studies. They know it as a valuable feed ingredient, more than 2½ times richer than dried skim-milk in the vitamins of the G group, and containing 45% of high quality protein. Until recently, however, the price has been too high in relation to milk products and alfalfa meal to permit its use in G.L.F. mashes.

The general rise in ingredient costs due to war conditions, coupled with the fact that more and more milk products have been going into human consumption at higher prices, have temporarily put these products out of the poultryman's reach. Although the supply of brewers' yeast is still too limited for general use, it now stands in a very favorable price relation to other Vitamin B and G sources.

For laying flocks, even when totally confined, the new mash is entirely adequate. Many poultrymen who are now feeding higher-priced mashes can make a real saving by changing to Special Laying Mash.

College research workers laid the groundwork for this saving by their studies over a period of many years. Farmers, through their own cooperative feed buying service, and now able to take advantage of it.



Cooperative G.L.F. Exchange, Inc.
Ithaca, N. Y.

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IS THE ONE THAT
SAVES MONEY



GO over International design and construction, inch by inch, and part by part. Then you'll understand why we call Internationals *all-truck* trucks.

You'll find feature after feature that have given Internationals their world-wide reputation. But the feature of them all is the one Internationals put in the cost records—the *lowest-cost hauling truck owners have ever known*.

And it's this unequaled performance-per-dollar that sells more heavy-duty Internationals than *any other three makes combined*.

No matter what a man's hauling needs may be, there's an International size to fit his requirements exactly. And whether he needs a sturdy half-ton pickup, a powerful six-wheeler, or any size in between, he can always count on International stability, service, long life and economy. Any International Dealer or Branch will be glad to supply complete details on request.

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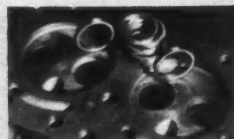


All-steel cab, one-piece top, sides, back, and cowl, welded into complete cab frame. Weather-tight, safe, comfortable.



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Extra pulling power in tough spots...*unusually slow speed* in rough fields... and *high speed* where the going is good—that's the performance you get with a 2-speed rear axle in an International Truck. This valuable feature is available in models most popular for farm hauling.



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Main and connecting-rod bearings can be quickly and easily replaced in all International Trucks.

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